

ABSTRACT OF THE DISCLOSURE

A tyre for a vehicle wheel, includes a torus-shaped carcass, a tread located on a periphery of the carcass, and a pair of axially-facing side walls ending with beads reinforced with bead wires and respective bead-filling elements for mounting the tyre on a corresponding rim. The tyre includes rubberized fabrics reinforced with metal reinforcing cords. At least one of the metal reinforcing cords comprises at least two wires helicoidally double-twisted around a longitudinal axis of the metal cord. Further, at least one of the wires is permanently deformed by a substantially-sinusoidal deformation lying in a plane.

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